

(12) United States Patent Tait

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(54) PURSELIGHT WITH TOUCH-SENSITIVE SWITCH

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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 297 days.
- (21) Appl. No.: **12/560,010**

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(22) Filed: Sep. 15, 2009

(65) Prior Publication Data US 2010/0097012 A1 Apr. 22, 2010

Related U.S. Application Data

- (63) Continuation-in-part of application No. 11/676,006, filed on Feb. 16, 2007, now abandoned.
- (51) Int. Cl.
 A45C 15/06 (2006.01)
 F21V 33/00 (2006.01)
- (52) **U.S. Cl.** **362/156**; 362/191; 362/208; 362/577; 362/581

See application file for complete search history.

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Meredith & Keyhani, PLLC

(57) **ABSTRACT**

A purse illumination assembly including a power source, a light emitting portion, a touch-sensitive switch, and a circuit assembly connecting the light emitting portion to the power source through the touch-sensitive switch. The touch-sensitive switch is located in an indentation to protect against accidental switching on. The light emitting portion includes a light emitting fabric or may include EL wire alone or in combination with LED lights to provide both lighting and a decorative effect. A driver circuit may be included for driving both the EL wire and the LED lights.

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7 Claims, 9 Drawing Sheets



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SOIC-08 IND-CDRH74 IND-S140104 PLCC-4 $\frac{1}{2}$ I-0603 I-1206 I-0805 4 -0603 I-0603 APN-0603 RES-0805 RES-0805 -0805 -0805 -0805 -EIA DO214AA SOT23 SOT23 MSOP08-SOT23-5 RES-0805 -0805 DIO-SMB RES-0805 CN-KK02 PLCC-4 D0214/ SOT23 APP. APN APN Z CAPN TP-S CAPI API RES RES RES RES Pkg Õ ()()()()ТР D10 -D8 D2 C7 ά.

Ω_	Title	Detail	Ref
1 179-93-004	slank, Purse Light	Rev A - Fab 2L	
0	210, Cer, 1000pF, 50V, X7F	Pan ECJ-1VB1H102K	C2
0	227, Cer, 2.7nF, 10%, X7R	AVX 06031C272KAT2A	80 0
	310, Cer, 0.01uF, 50V, X7F	Pan ECJ-1VB1H103K	C5
012-15-0	410, Cer, 0.10uF, 16V, 060	Pan ECJ-1VB1C104K	C6
012-1	422. Cer, 0.22uF, 25V, X7R	Pan ECJ-3VB1E224K Pana ECJ-3YB1E47	ő
012-15-0	Cap S510, Cer, 1.0uF, 25V, X5R, 0805	Pan ECJ-2FB1E105K	δ
012-00-03	547, Tant, 4.7uF, 16V	KemetT491A475K016AT	04 0
004-00-0	Hdr-KK, 2 Pin, 1x	Molex 22-23-2021	ر ب
017-00-03	, 300mA 75	Fairch MMBD914	D9
017-1	Diode, 1A 100V, S1B, 5MB	DiodesInc. S1BB-13-F	Ď
017-00-01	, Schottky.	IR 10B0040PBF	D4
017-35-00	J 2N7002, 60V, 115mA, SOT23	2N7002 Fairchild	Q2
017-3	T-N FDN337N, 30	Fairch FDN337N	ğ
020-0	L Driver, MIC483	Mic MIC4830YMM	U3
020-00-52	LED Driver, White, I	Mic MIC2287CYD5	Ŋ
020-0	ner, 555,	STMTS555CD	U2
013-10-02		Sumida CDRH74NP-100MC	<u> </u>
013-	ucto	Pulse P0752.224NLT	Γ2
01	D, PLC	Osram LR E6SF-V2AB-1-1-Z	5
0	S	Lite-On LTW-673DT	D5-
01	Ś	Pan ERJ-6ENF10ROV	R5
0		Pan ERJ-6ENF5620V	Ř
011-15-0	Res, SMT 0805 1% 3200, 20.0K	Pan ERJ-6ENF2002V	R6
0	Res, SMT 0805 1% 3221, 22.1K	Pan ERJ-6ENF2212V	R 2
011-1	T 0805 1% 4332,	Pan ERJ-6ENF3323V	R7
011-15-08	Res, SMT 0805 1% 5178, 1.78 Meg	ViSh CRCW08051M78FKEA	R8
011-15-08	T 0805	ViSh CRCW08054M30FKEA	R4
011-15-07	Res, SMT 0805 1% 6100, 10.0 Meg.	Pan ERJ-6ENF1005V	R3
005-00-03	Test Point, .055 Diameter, Black	Mouser 151-203-RC, Keystone 5001	È
005-00-05	Test Point, SMT, 15x.09in	CompCorp. TP-1 07-02	ЧТ
- ~	Transzorb, 12V, SMBJ12A, 600W Uni, SMT	GenSemi 5MBJ12A	D3
179-97-00	Label, PCB assy, Purse light	Assy SN FIGURE 10B	



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PURSELIGHT WITH TOUCH-SENSITIVE SWITCH

CROSS-REFERENCE TO RELATED APPLICATIONS

The present application is a continuation-in-part of application Ser. No. 11/676,006 filed in the U.S. Patent and Trademark Office on Feb. 16, 2007 now abandoned, which in turn claims priority to application Ser. No. 10/746,470 filed in the 10 U.S. Patent and Trademark Office on Dec. 23, 2003, and issued as U.S. Pat. No. 7,207,689 on Apr. 24, 2007, the entire contents of both of which is incorporated by this reference.

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emitting holders each having a side wall and an open end, and also includes light-emitting members being disposed in the tubular light-emitting holders, and further includes batteries conventionally disposed in the light-emitting holders and being connected with wires to the light-emitting members, 5 and also includes on/off switches being movably and conventionally disposed at the open ends of the light-emitting holders and being connected with the wires to the light-emitting members and to the batteries for energizing the light-emitting members, and further includes hook and loop fasteners being securely and conventionally attached to an exterior of the side walls of the light-emitting holders and to one of the walls of the bag in the main compartment for removably fastening the light-emitting holders to the bag. Each of the light-emitting 15 holders includes a plurality of holes being spaced apart and along a length of and disposed through the side wall thereof with each of the holes being adapted to receive a respective light-emitting member which is extended through the hole. The assembly of Marshall appears quite bulky and requires several parts in order to operate. The switch is located at the top and appears to work by being pressed in. U.S. Pat. No. 4,234,907 to Daniel discloses a light emitting fabric in which optical fibers are part of the weave, replacing some of the threaded fibers, whereby the fabric is uniformly illuminated and, accordingly, decorated. The individual optical fibers are gathered into a bundle at one end of the fabric and illuminated by a light source. Light traveling through the fibers is emitted in small amounts throughout the lengths thereof through small scratches that pierce the outer coating. Uniformity and intensity of light are enhanced by providing a reflective coating on the non-illuminated ends of the optical fibers. According to '907, this fabric is usable in clothing; such as costumes, high visibility safety clothing, suntan suits; rugs, draperies, theater curtains, architectural panels, fiberglass boat hulls, and the like. Because the fibers are all

BACKGROUND OF THE INVENTION

1. Field of the Invention

The present invention generally relates to illumination devices specifically for use in purses, handbags and back-packs that allow the user to easily activate and illuminate its 20 interior.

2. Description of Related Art

The use of lights as a means for illuminating a purse is known within the art. These may include traditional pocket lamps that hang from a strap down into a purse and must be 25 switched on by the user or light systems built into a purse, which would illuminate upon opening the purse.

By way of example, U.S. Pat. No. 6,447,142 issued to Weir describes a purse light system. The purse light system is a purse with a built-in light system, which includes a purse 30 outer structure, a battery pack and a light assembly positioned to emit light into the purse chamber. The purse lighting system automatically switches on when the purse opening is in the open position and off when the purse opening is in the closed position. This invention lights the purse from the top of 35 the purse. Another purse lighting system, U.S. Pat. No. 5,424,926 issued to Meyers describes a purse light. This purse light includes a light for illuminating the interior of a purse, consisting of a mounting assembly housing a light bulb, a reflec- 40 tor to direct the light towards a diffusing lens which projects the light in a multitude of directions and a digital clock. U.S. Pat. No. 6,508,568 issued to Blue-Recio discloses yet another light assembly for the interior of a purse. This light assembly consists of a mounting structure to secure the 45 assembly to the inside of a bag, an illumination source which projects light to the interior of the bag, and a switch the user must push to turn the purse light on. The switching mechanism for the '598 patent may allow for the lamp to be inadvertently switched on by pressure from items within the purse 50 and may also allow for the lamp to be inadvertently left on by the user, both instances may result in complete discharge of the battery without the knowledge of the user. U.S. Pat. No. 4,742,438 issued to King describes a light for the interior of a purse, having a light bulb, an electric power 55 supply mounted within a translucent housing which is temporarily mounted on a mounting bracket which is permanently attached to the inside of a purse. The '438 patent is cumbersome and impractical because it requires mounting brackets to be permanently mounted on the interior of a purse. 60 U.S. Patent Application Publication No. 2002/0067610 to Marshal discloses a lighted and content-organizing carrying case for illuminating the main compartment and organizing the contents in the carrying case. The lighted and contentorganizing carrying case includes a handbag assembly and 65 also includes light-emitting assemblies removably attached to the bag. The light-emitting means includes tubular light-

bundled and connected to the same light source, they are lit together.

U.S. Pat. No. 4,992,704 to Stinson discloses a light emitting diode (LED) or lamp that is programmable to emit a variety of colors or hues at the selection of the user having a unitary housing of clear molded solid epoxy supporting three light dies characterized as producing color hues of red, green and blue respectively. A common cathode is supported in the housing and wire leads interconnect the anode of each light die with the common cathode. Control circuits are operably coupled to anode leads and a common cathode lead for selectively energizing the light die anodes so that their respective color outputs visually combine to produce a desired color or hue.

The references that are related to LED and light fabric have no mention of purselights. The references that disclose some type of purselight include assemblies that have many parts and are therefore quite cumbersome to build and operate, do not provide light from the bottom of the bag upward, include pressure activated switches that may be turned on accidentally by the items in the bag and provide point light sources and discontinuous sources of light. Some of the shortcomings of the above are addressed by the aspects of the present invention.

SUMMARY OF THE INVENTION

Aspects of the present invention provide an illumination method and system for a purse or bag that has a simple and elegant design to light the bag from the bottom and the sides, is turned on and off by a touch sensitive switch, and may include LEDs that are used to generate a pattern of light.

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Some aspects of the present invention provide the use of light emitting fabrics that are soft and pliable and add very little to the total weight of the purse. Some aspects of the invention may include the use of electroluminescent (EL) wires that produce a continuous line of light.

Lighting a purse from the top down is not as effective as the present invention which emits ambient light from the bottom and side of the purse or handbag. Further, the push switch of prior art may be turned on and off accidentally from pressure from objects in the purse while the touch-sensitive switch of 10 the present invention requires the touch of the user's fingers or hand. Light fabrics using LEDs are both suitable for the inside of a purse because of the pliability of the fabric and may be used on the outside of the purse to form various patterns. Point sources of the prior art require a hard casing and are not as 15 aesthetically pleasing as a light fabric. Therefore, the use of such sources is limited to hidden areas of the purse. In addition to light fabrics that may be used on the outside of a purse, other aspects of the present invention provide a continuous wand of light using EL wire. This wand may be extended 20 from the inside to the outside and is used both as a light source and for ornamentation. Here, the aesthetic feature provides the utility. Fiber optics does not provide the continuity of EL wire.

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ing means in communication with said switch means is also used in the purse illumination assembly. In one aspect, the light emitting fabric is used to illuminate an inside of a purse and an outside of the purse. In one aspect, the light emitting fabric may be sequenced to provide a dynamic display.

Aspects of the present invention also provide purse illumination assembly for illuminating a purse that includes a power source, a light emitting portion, a touch-sensitive switch, and a circuit assembly connecting the light emitting portion to the power source through the touch-sensitive switch. The light emitting portion includes an EL wire and a LED light both being driven by a driver circuit of the circuit assembly. The LED light is located outside the purse. The EL wire extends from an outside of the purse inside, and the touch-sensitive switch is located on a casing of the LED light. In one aspect, the EL wire is shaped as a wand portion and the casing of the LED light has a flower-shaped cap. In one aspect, the wand portion is covered with crystals that diffuse light. In one aspect, the casing of the LED light has interchangeable decorative caps. In one aspect, the circuit assembly includes a transformer. In one aspect, the power source is rechargeable. In one aspect, the light emitting portion further includes a light emitting fabric.

According to one embodiment, a purse illumination 25 assembly is provided that includes a purse having at least two sides, wherein the inside of at least one of the at least two sides is light emitting fabric, a power source means operatively coupled to the light emitting fabric, and a switch means operatively coupled to the power source means. 30

According to one embodiment, a purse illumination assembly is provided that includes a purse having at least two sides, wherein the inside of at least one of the at least two sides is a light emitting fabric comprised of a piece of fabric with arrays of LED pixels mounted on a flexible plastic substrate 35 and having an electrically conducting track on the flexible plastic substrate connecting each said LED pixel, a power source means operatively coupled to the light emitting fabric, and a switch means operatively coupled to the power source means. 40 According to one embodiment, a purse illumination assembly is provided that includes an EL wire to produce a continuous wand of light that may be extended from the inside to the outside of the purse. Aspects of the present invention provide a purse illumina- 45 tion assembly, including a power source, a light emitting portion, a touch-sensitive switch, and a circuit assembly connecting the light emitting portion to the power source through the touch-sensitive switch. The light emitting portion includes a light emitting fabric, and the touch-sensitive 50 switch is located in an indentation to protect against accidental switching on. In one aspect, the circuit assembly includes a capacitive timing circuit to turn the light off after a predetermined period. In one aspect, wherein said light emitting fabric is 55 selected from the group consisting of textile imbedded with LED, OLED, optical fibers or black light. In one aspect, the light emitting fabric includes a piece of fabric, a flexible substrate attached to the piece of fabric, arrays of LED pixels mounted on the flexible substrate, a waveguide between said 60 LED pixels, and an electrically conducting track on said flexible substrate connecting and controlling the LED pixels, and each said LED pixel contains red, green and blue (RGB) LEDs. In one aspect, the light emitting fabric is encased in translucent water resistant material. In one aspect, the touch 65 sensitive switching means is comprised of two non-intersecting electrical contacts. In one aspect, a voice sensitive switch-

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 shows a purse illumination assembly, according to the aspects of the present invention.

FIG. 2 shows one exemplary location of a purse illumina tion assembly with respect to a purse, according to the aspects of the present invention.

FIG. 3 shows one exemplary pattern of a purse illumination assembly, according to the aspects of the present invention. FIG. 4 shows another exemplary pattern of a purse illumination assembly, according to the aspects of the present

invention.

FIG. **5** shows a light fabric used as a part of a purse illumination assembly, according to the aspects of the present invention.

FIG. **6** shows various views of a flower purselight according to other aspects of the present invention.

FIG. 7 shows exemplary dimensions for the flower purse-light of FIG. 6.

FIG. **8** shows an exemplary exploded view of the flower purselight of FIG. **6**.

FIG. 9 shows exemplary dimensions for a leaf part of the flower shown in FIG. 6.

FIG. **10**A shows an exemplary driver for the lights used in the flower purselight of FIG. **6**.

FIG. **10**B shows exemplary implementation parameters for the driver of FIG. **10**A.

DETAILED DESCRIPTION OF THE INVENTION

A purse illumination assembly is described that is used to illuminate a purse. The purse usually has two or more sides. The purse illumination assembly in some embodiments includes a light emitting fabric. In that case, the inside of at least one of the sides is at least partially covered with the light emitting fabric. The light illumination assembly includes a power source operatively coupled to the light emitting fabric and a switch operatively coupled to the power source. The light emitting fabric may be encased in translucent water resistant material. A touch sensitive switching means may be in communication with the switch means. The light emitting fabric, used in various embodiments of the present invention, may be selected from various types of

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light-emitting fabric including textile embedded with light emitting diodes (LEDs) or organic light emitting diodes (OLEDs), optical fibers, and black light. Photonic textile, which uses cloth as a lighted graphic display medium may also be used. Photonic textile integrates a flexible array of ⁵ miniature LEDs into a piece of cloth, which allows the cloth to display graphics, text, and animation. Black light refers to the type of light that remains close to the ultraviolet range and is of low visibility to the eye unless used with fluorescent and phosphorescent material.

While optical fibers may be used for some aspects of the present invention, to provide ambient lighting that is capable of being programmed to provide a pattern, individual lights should be embedded in the fabric. The term embedded refers 15 to the fact that the light is contained substantially within the fabric or substrate. The LEDs are not capable of moving around, as would be the case in a string of lights. The LEDs are fixedly attached to either the fabric or substrate. Aspects of the present invention with reference to FIG. 1 $_{20}$ provide a purse illumination assembly. Aspects of the present invention with reference to FIG. 2, FIG. 3 and FIG. 4 provide a purse illumination assembly with light emitting fabric on the inside or outside of the purse. FIG. 5 shows a light fabric to be used as part of the purse illumination assembly of some 25 aspects of the present invention. EL wire may be used to produce a continuous line of light in other aspects of the invention. EL wire is a thin copper wire coated in a phosphor which glows when an AC Current is applied to it. Unlike other types of strand lights, EL wire is not 30 a series of points but produces a 360 degree unbroken line of visible light. Its thin diameter makes it flexible and ideal for use in a variety of applications such as clothing or costumes. Aspects of the present invention with reference to FIGS. 6 through 10 provide a flower purselight including a continuous 35 light source in the form of a wand made from EL wire. FIG. 1 shows a purse illumination assembly, according to the aspects of the present invention. Referring to FIG. 1, a purse illumination assembly 10 is shown that includes a base housing unit 12 a circuit assembly 4015 and a light-emitting portion 20. The base housing unit 12 may have a generally rectangular shape with two ends, and four longitudinal sides. Other shapes are possible. At least one of these longitudinal sides may be a removable side providing access to the interior of the base housing unit 12 for 45tasks such as replacing a power source 18, or fixing other electrical elements in the base housing unit 12. The exterior of the base housing unit 12 may have two recessed indentations **17**. The recessed indentations **17** may contain the switching means 16. These two indentations 17 may be sufficiently deep 50 as to shield the switching means 16 from inadvertent actuation by items contained within the purse but also sufficiently shallow to allow the user to intentionally actuate the switching means 16. The base housing unit 12 may further comprise an attach- 55 ment means 26 to yield a purse illumination assembly 10 that is removably attachable to the interior of the purse. The attachment means 26 may be a hook and loop fastener (such as VELCRO hook and loop fastener) in which one side of the attachment means is affixed to the base housing unit 12 by an 60 adhesive, and the other side of the attachment means is attached to the interior of the purse. Another possible attachment means may be a U shaped clip with a spring like closing effect. One side of the clip may be fixedly attached to a side of the housing 12, the other side may slip over an interior pocket 65of a purse providing a purse illumination assembly 10 that is secured to the interior of the purse.

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The circuit assembly 15 is partially contained within the base housing unit 12. The circuit assembly 15 includes the switching means 16 exposed on the exterior of the base housing unit 12, the power source 18 and a timing circuit 14 providing a timed and regulated conveyance of electricity. The switching means 16 may be touch sensitive switching means. The touch sensitive switching means 16 may extend through the base housing unit 12 and are exposed on the exterior of the base housing unit 12. The touch sensitive switching means 16 may also be exposed on the exterior of the light-emitting portion 20, and may be comprised of a first electrical contact 21 and a second electrical contact 23 which are non-intersecting. The bridging of the first contact 21 and second contact 23 will illuminate the light-emitting portion 20 for a given amount of time before automatically shutting off. The purse illumination assembly 10 may implement the timing circuit 14 as a capacitive timing circuit, which uses the charging and discharge of a capacitor, to regulate the duration of illumination. The purse illumination assembly may also further comprise a flash memory contained within the housing unit **12**. The power source 18 in communication with the circuit assembly 15 may include at least one disposable power cell, rechargeable cell or solar powered cell. The illumination assembly 10 may further comprise an electrical contact 27 partially contained within the base housing unit 12 in electrical communication with the power source 18. This electrical contact 27 allows a battery-charging device to be in removable electrical communication with the power source 18 of the purse illuminating assembly 10. The user may attach one end of a battery charging unit to the electrical contact 27 in communication with the illumination assembly power source 18, and the other end of the battery charging unit to a battery charger receptacle, providing a rechargeable purse illumination assembly 10.

FIG. 2 shows one exemplary location of a purse illumination assembly with respect to a purse, according to the aspects of the present invention.

The light emitting portion **120**, shown in FIG. **2**, includes a light fabric **200**. In contrast to the prior art discussed above, the light emitting fabric may illuminate either the inside or outside of the purse. The light emitting portion **210** is located along the side of the purse to provide illumination on the inside or outside of the purse. The remainder of the purse illumination assembly **10** includes a touch sensitive switching means **220** that may be comprised of two non-intersecting electrical contacts. In the embodiment shown in FIG. **3**, the remainder of the purse illumination assembly **10** is placed such that the switching means **220** is on the outside of the purse. There may also be a voice sensitive switching means in communication with the switch means.

FIG. **3** shows one exemplary pattern of a purse illumination assembly, according to the aspects of the present invention.

When light fabric is used as the light emitting portion, the light emitting portion may take various forms. FIG. **3** shows a light emitting portion **300** that takes the shape of a star. In some aspects of the present invention, the voice sensitive switching means is able to call up certain shapes in response to voice activated commands. For example, the user may say "Star" and the star shaped light emitting portion **300** may light up. The light emitting fabric may be sequenced to provide a dynamic display. For example, the star **100** may flash or turn into a circle or a video depicting movement. In the embodiment shown in FIG. **3**, the remainder of the purse illumination assembly **10** is placed completely inside the purse.

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FIG. 4 shows another exemplary pattern of a purse illumination assembly, according to the aspects of the present invention.

In FIG. 4, the light emitting portion 410 is similar to the light emitting portion 210 of FIG. 2 but occupies a larger area. In the embodiment shown in FIG. 4, the remainder of the purse illumination assembly 10 is placed completely inside the purse.

FIG. **5** shows a light emitting fabric used as a part of a purse illumination assembly, according to the aspects of the present 10 invention.

The light emitting fabric **500** may be comprised of a piece of fabric with arrays of LED pixels **502** mounted on a flexible substrate **504** and having an electrically conducting track **506** on the flexible substrate **504** connecting the LED Pixels **502** 15 to a controlling circuit and power source. The electrically conducting track may include circuits for separately controlling each of the pixels. The flexible substrate **504** may be plastic. The LED pixels **502** may each contain red, green and blue (RGB) LEDs such that each pixel may create various 20 colors as a combination of these lights. There may also be a waveguide **508** between the LED pixels to conduct the light. Flash memory may be used in communication with the light emitting fabric.

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components are assembled to provide DC current from the batteries **801** to the LED **813**. The base **802** permits the EL wires to enter through EL wire connections **816** and receive AC power from the transformer. The circuit **805** provides the appropriate power to each component.

FIG. 9 shows exemplary dimensions for a leaf part of the flower shown in FIG. 6.

One exemplary set of dimensions for the leaf part **804** of FIG. **8** are shown in FIG. **9**. A plan view **900**, an isometric view **910** and a side view **920** are shown. The exemplary dimensions are shown as $3.950 \times 2.000 \times 0.125$ inches.

FIG. **10**A shows an exemplary driver for the lights used in the flower purselight of FIG. **6**.

FIG. 10A shows one exemplary implementation of the circuit 805 of FIG. 8 that forms a driver circuit for the LED of the flower portion 610 as well as the EL wire for the wand portion 620 of the flower purselight of FIG. 6.
FIG. 10B shows exemplary implementation parameters for the driver of FIG. 10A.
FIG. 10B provides a table that shows exemplary specifications for the driver circuit of FIG. 10A.
As mentioned above, a combination of the above features may be used for illuminating the inside and outside of a purse. The present invention has been described in relation to particular examples, which are intended to be illustrative rather than restrictive, with the scope and spirit of the invention being indicated by the following claims and their equivalents.

FIG. **6** shows various views of a flower purselight according to other aspects of the present invention.

The purselight **600** of FIG. **6** is configured to look like a flower. Other appropriate shapes may be used. Also, this and variations of this embodiment may be used in combination with the light fabric shown in the preceding drawings.

FIG. 6 shows a plan view 601, an isometric view 602 and a bottom view 603 of the flower purselight 600. The flower purselight 600 includes a flower portion 610 and a wand portion 620. The flower portion 610 includes an embedded LED 612, a touch-sensitive switch 614 and an interchange- 35 able cover 616 or cap. The wand portion 620 includes an end cap for fiber optics or EL light. In one aspect, the wand 620 is made from EL wire that provides even coverage and a continuous light. Hot spots from the use of several LEDs are avoided when EL wire, fiber 40 optics, or phosphorous coated plastic are used for the wand material. Using crystals around the wand helps diffuse the light. FIG. 7 shows exemplary dimensions for the flower purselight of FIG. 6. 45 One set of exemplary dimensions for the flower shown in FIG. 6 are shown in FIG. 7. The plan view 700 shows an exemplary length of 3.580 inches and an exemplary width of 2.291 inches. A first side view 710 and a second side view 720 show an exemplary thickness of 0.275 inches. FIG. 8 shows an exemplary exploded view of the flower purselight of FIG. 6. Exemplary components to be used in an exemplary flower **800** that is used in the purselight of FIG. **6** are shown in FIG. 8. The flower 800 includes batteries 801, a base 802, a battery door 803, a leaf part 804 under the flower, a circuit 805, a cap 806, a resistive spring 807, a positive button 808, right and left contacts 809, 810, a flower cover 811, a transformer 812, an LED 813, screws 814 and contact table 815. The various

The invention claimed is:

1. A purse illumination assembly for illuminating a purse, comprising:

a power source;

a light emitting portion;

a touch-sensitive switch; and

a circuit assembly connecting the light emitting portion to the power source through the touch-sensitive switch, wherein the light emitting portion includes an EL wire and a LED light both being driven by a driver circuit of the circuit assembly, wherein the LED light is located outside the purse, wherein the EL wire extends from an outside of the purse inside, and wherein the touch-sensitive switch is located on a casing of the LED light. 2. The purse illumination assembly of claim 1, wherein the circuit assembly includes a transformer. 3. The purse illumination assembly of claim 1, wherein the power source is rechargeable. 4. The purse illumination assembly of claim 1, wherein the 50 light emitting portion further includes a light emitting fabric. 5. The purse illumination assembly of claim 1, wherein the EL wire is shaped as a wand portion and the casing of the LED light has a flower-shaped cap. 6. The purse illumination assembly of claim 5, wherein the wand portion is covered with crystals that diffuse light. 7. The purse illumination assembly of claim 5, wherein the casing of the LED light has interchangeable decorative caps.

* * * * *